

**SUMMARY OF
NIH INNOVATIONS IN BIOMEDICAL
INFORMATION SCIENCE AND TECHNOLOGY
AWARDS
FOR PROGRAM ANNOUNCEMENT PA-00-117
NEWLY FUNDED IN FY 2002**

The following text provides a summary of grants from BISTIC member institutes and centers for NIH innovations in biomedical information science and technology awards in response to program announcement PA-00-117. The objective of this program is to support innovative computational biology research whose outcomes are likely to advance health or health-related research within the mission of the NIH.

Funded grants are listed below in alphabetical order by the principal investigator's (PI's) last name. Other information provided for each grant includes PI affiliation, grant title, application number, and funding organization.

1. PRINCIPAL INVESTIGATOR: ARNSTEIN, LAWRENCE

AFFILIATION: UNIVERSITY OF WASHINGTON

PROJECT TITLE: Labscape: Languages and Tools for Cell Biology

GRANT NUMBER: 1-R21-GM-66461-1

2. PRINCIPAL INVESTIGATOR: CALABRESE, RONALD

AFFILIATION: EMORY UNIVERSITY

PROJECT TITLE: Software and hardware tools for hybrid systems analysis

GRANT NUMBER: 1-R21-NS-43098-1

3. PRINCIPAL INVESTIGATOR: CHEN, HSINCHUN

AFFILIATION: UNIVERSITY OF ARIZONA

PROJECT TITLE: GeneScene: a toolkit for gene pathway analysis

GRANT NUMBER: 1-R33-LM-7299-2

4. PRINCIPAL INVESTIGATOR: CHOU, HUI-HSIEN

AFFILIATION: IOWA STATE UNIVERSITY OF SCIENCE & TECH

PROJECT TITLE: Visual Data Extraction and Conversion Programming Tool

GRANT NUMBER: 1-R21-GM-66400-1

5. PRINCIPAL INVESTIGATOR: GOLDBAUM, MICHAEL

AFFILIATION: UNIVERSITY OF CALIFORNIA SAN DIEGO

PROJECT TITLE: Medical Advice from Glaucoma Informatics (MAGI)

GRANT NUMBER: 5-R21-EY-13928-1-A1

6. PRINCIPAL INVESTIGATOR: HUGHES, AUSTIN
AFFILIATION: UNIVERSITY OF SOUTH CAROLINA AT COLUMBIA
PROJECT TITLE: Gene Duplication and Genome Evolution
GRANT NUMBER: 1-R33-GM-66710-1

7. PRINCIPAL INVESTIGATOR: KRUMMEL, THOMAS
AFFILIATION: STANFORD UNIVERSITY
PROJECT TITLE: Collaborative, Simulation-Based, Surgical Training
GRANT NUMBER: 1-R21-LM-7295-1

8. PRINCIPAL INVESTIGATOR: LIEBERMAN, DAVID
AFFILIATION: OREGON HEALTH & SCIENCE UNIVERSITY
PROJECT TITLE: CORI: Consortium Expansion and Database Enhancement
GRANT NUMBER: 1-R33-DK-61778-1

9. PRINCIPAL INVESTIGATOR: LOWERY, CURTIS
AFFILIATION: UNIVERSITY OF ARKANSAS MED SCIS LTL ROCK
PROJECT TITLE: Temporal-Spatial Biomagnetic Fields of the Fetus
GRANT NUMBER: 1-R33-EB-978-1-A1

10. PRINCIPAL INVESTIGATOR: MACKKEY, MICHAEL
AFFILIATION: UNIVERSITY OF IOWA
PROJECT TITLE: Large Scale Digital Cell Analysis System
GRANT NUMBER: 1-R33-CA-94801-1

11. PRINCIPAL INVESTIGATOR: MESIROV, JILL
AFFILIATION: WHITEHEAD INSTITUTE FOR BIOMEDICAL RES
PROJECT TITLE: GenePattern: Methodologies and Software Tools
GRANT NUMBER: 1-R33-CA-97556-1

12. PRINCIPAL INVESTIGATOR: MUELLER, PETER
AFFILIATION: UNIVERSITY OF TEXAS MD ANDERSON CAN CTR
PROJECT TITLE: Drug Screening: Simulation Based Sequential Design
GRANT NUMBER: 1-R21-CA-97534-1

13. PRINCIPAL INVESTIGATOR: OLSON, ARTHUR
AFFILIATION: SCRIPPS RESEARCH INSTITUTE
PROJECT TITLE: Tangible Interfaces for Research in Molecular Biology
GRANT NUMBER: 4-R33-EB-798-2

14. PRINCIPAL INVESTIGATOR: POLLOCK, DAVID
AFFILIATION: LOUISIANA STATE UNIV A&M COL BATON ROUGE
PROJECT TITLE: Protein sequence, structure, and computational analysis

GRANT NUMBER: 1-R21-GM-65612-1

15. PRINCIPAL INVESTIGATOR: QUACKENBUSH, JOHN

AFFILIATION: INSTITUTE FOR GENOMIC RESEARCH

PROJECT TITLE: A Comprehensive System for Microarray Data Analysis

GRANT NUMBER: 1-R33-HL-73712-1

16. PRINCIPAL INVESTIGATOR: SCHMID, CHRISTOPHER

AFFILIATION: NEW ENGLAND MEDICAL CENTER HOSPITALS

PROJECT TITLE: A System for Comprehensive Meta-Analysis

GRANT NUMBER: 1-R33-RR-17109-1

17. PRINCIPAL INVESTIGATOR: SIGGIA, ERIC

AFFILIATION: ROCKEFELLER UNIVERSITY

PROJECT TITLE: Decoding transcriptional control in higher eukaryotes

GRANT NUMBER: 1-R21-GM-66434-1